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Study of zone broadening in optically gated high-speed capillary electrophoresis

AW Moore Jr... - Analytical chemistry, 1993 - ACS Publications

... A later migrating **analyte** may inject well at a **voltage** and injection time where earlier migrating components are overloading, because the later (more negative) slower moving **analyte** actually has a ... injected but the later peaks may suffer in signal to noise (S/N) **ratio**s. This ...

[Cited by 80](#) - [Related articles](#) - [BL Direct](#) - [All 3 versions](#)Fundamental aspects of contactless conductivity detection for capillary electrophoresis. Part I:Frequency behavior and cell geometry

P Kubaň... - Electrophoresis, 2004 - Wiley Online Library

... Most **analytes** require derivati- zation for fluorescence detection and therefore the alter- native electrochemical detection techniques of potenti- ometry [1], amperometry [2-4 ... is usually visualized with so-called Bode plots, a log-log plot of the gain or output **voltage** vs. **frequency**. ...

[Cited by 92](#) - [Related articles](#) - [BL Direct](#) - [All 6 versions](#)Real time kinetic analysis with quartz crystal resonator sensorsR Lucklum, S Doerner, T Schneider... - ... Frequency Control ..., 2006 - [ieeexplore.ieee.org](#)

... signal **frequency** are known ... The calibration function transfers the array of complex **voltage** ratios into the impedance spectrum when removing the negative ... from the reservoir and especially when entering the measurement chamber leads to a slow **analyte** concentration increase ...

[Cited by 6](#) - [Related articles](#)AOTFs as atomic spectrometers: Basic characteristicsG Fulton... - Applied spectroscopy, 1996 - [opticsinfobase.org](#)

... A stable DAC **voltage**/VCO **frequency**/AOTF diffract- ed wavelength relationship is required in order for signal averaging to be successful. ... (b) Sr cali- bration curve. **best** signal-to-noise **ratio** data for all peaks across the spectrum. ...

[Cited by 8](#) - [Related articles](#) - [BL Direct](#) - [All 5 versions](#)Prediction of Electrophoretic Mobilities. 4. Multiply charged aromatic carboxylates in capillary zone electrophoresis

D Li... - Analytical chemistry, 2001 - ACS Publications

... the solvent dielectric relaxation time and ϵ_0 and ϵ_∞ are the low- and high-**frequency** dielectric constants ... L is the length to detector (30 cm), E is the applied potential (the **voltage** applied divided ... to give the mobility at the infinite dilution the absolute mobility, μ_0 , of the **analyte**. ...

[Cited by 25](#) - [Related articles](#) - [BL Direct](#) - [All 3 versions](#)An on-line quantitative immunoassay system based on a quartz crystal microbalance

S Lin, CC Lu, HF Chien... - Journal of immunological methods, 2000 - Elsevier

... crystal is mounted in a Plexiglas holder, and only one electrode is exposed to the **analyte** solution. ... The **frequency** differences Δf_1 ($=f_0 - f_1 = 63$ Hz), Δf_2 ($=f_1 - f_2$... microscopic study of covalent immobilization of immunoglobulin G on gold: effect of the bias **voltage** on topography. ...

[Cited by 18](#) - [Related articles](#) - [All 6 versions](#)Ultrahigh-pressure reversed-phase capillary liquid chromatography: Isocratic and gradient elution using columns packed with 1.0- μ m particles

JE MacNair, KD Patel... - Analytical chemistry, 1999 - ACS Publications

... efficiencies were determined, chromatograms were background-subtracted 10 to remove low-**frequency** baseline drift ... The current generated by the PMT was converted to a **voltage** with a Stanford ... plots in Figure 5 vary somewhat, as they are dependent on **analyte** retention and ...

[Cited by 236](#) - [Related articles](#) - [BL Direct](#) - [All 5 versions](#)A femtogram resolution mass sensor platform, based on SOI electrostatically driven resonant cantilever. Part I: Electromechanical model and parameter extraction

J Teva, G Abadai, F Torres, J Verd... - Ultramicroscopy, 2006 - Elsevier

... do that, specific techniques and procedures for cantilever functionalization [7] or **analyte** local deposition ... allows to independently applying the dc and the ac excitation **voltage** components and ... output ports of the transducer [9]. Using this configuration, the **frequency** response of ...

[Cited by 8](#) - [Related articles](#) - [All 4 versions](#)Synthesis and Characterization of a Composite Zeolite-Metglas Carbon Dioxide Sensor

IG Giannakopoulos, D Kouzoudis... - Advanced ..., 2005 - Wiley Online Library

... a mixture as long as it adsorbs selectively larger amounts of the particular **analyte** than other ... CO₂ are presented in Figure 4. The observed peak of the signal (**voltage**) at a ... and represents the calibration curve that relates the resonance **frequency** f with the CO₂ concentration (vol ...
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Elimination of **frequency** drift from Fourier transform ion cyclotron resonance mass spectra by digital quadrature heterodyning: ultrahigh mass resolving power for laser ...

S Guan, MC Wahl... - Analytical chemistry, 1993 - ACS Publications

... and 2.77 for a cubic trap, a is the trap edge dimension, and V_{trap} is the **voltage** applied to ... 1 cm), so that the space charge term in eq 20b is small (eg, -0.3 Hz **frequency** shift for ... Equal amounts of methanolic solutions of **analytes** (10⁻⁹ M) and KBr (1P2 M) were premixed, and 10 ...

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